

Feng Jiangshan

List of Publications by Year in descending order

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papers

3,857
citations

331670

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29
docs citations

29
times ranked

4326
citing authors

#	ARTICLE	IF	CITATIONS
1	High efficiency planar-type perovskite solar cells with negligible hysteresis using EDTA-complexed SnO ₂ . Nature Communications, 2018, 9, 3239.	12.8	1,017
2	Record Efficiency Stable Flexible Perovskite Solar Cell Using Effective Additive Assistant Strategy. Advanced Materials, 2018, 30, e1801418.	21.0	377
3	Solution-Processed Nb:SnO ₂ Electron Transport Layer for Efficient Planar Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 2421-2429.	8.0	315
4	A 1300 mm ² Ultrahigh-Performance Digital Imaging Assembly using High-Quality Perovskite Single Crystals. Advanced Materials, 2018, 30, e1707314.	21.0	246
5	High-Efficiency Perovskite Solar Cells with Imidazolium-Based Ionic Liquid for Surface Passivation and Charge Transport. Angewandte Chemie - International Edition, 2021, 60, 4238-4244.	13.8	221
6	Multi-inch single-crystalline perovskite membrane for high-detectivity flexible photosensors. Nature Communications, 2018, 9, 5302.	12.8	212
7	Low-temperature-gradient crystallization for multi-inch high-quality perovskite single crystals for record performance photodetectors. Materials Today, 2019, 22, 67-75.	14.2	204
8	Record-Efficiency Flexible Perovskite Solar Cells Enabled by Multifunctional Organic Ions Interface Passivation. Advanced Materials, 2022, 34, e2201681.	21.0	186
9	Triple-Cation and Mixed-Halide Perovskite Single Crystal for High-Performance X-ray Imaging. Advanced Materials, 2021, 33, e2006010.	21.0	163
10	High-throughput large-area vacuum deposition for high-performance formamidine-based perovskite solar cells. Energy and Environmental Science, 2021, 14, 3035-3043.	30.8	121
11	40.1% Record Low-Light Solar Cell Efficiency by Holistic Trap Passivation using Micrometer-Thick Perovskite Film. Advanced Materials, 2021, 33, e2100770.	21.0	110
12	Vapor-fumigation for record efficiency two-dimensional perovskite solar cells with superior stability. Energy and Environmental Science, 2018, 11, 3349-3357.	30.8	87
13	Bifunctional Hydroxylamine Hydrochloride Incorporated Perovskite Films for Efficient and Stable Planar Perovskite Solar Cells. ACS Applied Energy Materials, 2018, 1, 900-909.	5.1	81
14	Inch-sized high-quality perovskite single crystals by suppressing phase segregation for light-powered integrated circuits. Science Advances, 2021, 7, .	10.3	81
15	Ionic-Liquid-Perovskite Capping Layer for Stable 24.33%-Efficient Solar Cell. Advanced Energy Materials, 2022, 12, .	19.5	80
16	Low-temperature and facile solution-processed two-dimensional TiS ₂ as an effective electron transport layer for UV-stable planar perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 9132-9138.	10.3	78
17	Large Lead-Free Perovskite Single Crystal for High-Performance Coplanar X-ray Imaging Applications. Advanced Optical Materials, 2020, 8, 2000814.	7.3	67
18	CO ₂ Plasma-Treated TiO ₂ Film as an Effective Electron Transport Layer for High-Performance Planar Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 33989-33996.	8.0	35

#	ARTICLE	IF	CITATIONS
19	Effective solvent-additive enhanced crystallization and coverage of absorber layers for high efficiency formamidinium perovskite solar cells. RSC Advances, 2016, 6, 56807-56811.	3.6	25
20	In Situ Grain Boundary Modification via Two-Dimensional Nanoplates to Remarkably Improve Stability and Efficiency of Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 39802-39808.	8.0	24
21	PbTiO ₃ as Electron-Selective Layer for High-Efficiency Perovskite Solar Cells: Enhanced Electron Extraction via Tunable Ferroelectric Polarization. Advanced Functional Materials, 2019, 29, 1806427.	14.9	23
22	Effect of Solvent Residue in the Thin-Film Fabrication on Perovskite Solar Cell Performance. ACS Applied Materials & Interfaces, 2022, 14, 28729-28737.	8.0	22
23	Highly Efficient and Stable CsPbTh ₃ (Th = I, Br, Cl) Perovskite Solar Cells by Combinational Passivation Strategy. Advanced Science, 2022, 9, e2105103.	11.2	20
24	Chelate-Pb Intermediate Engineering for High-Efficiency Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 14744-14750.	8.0	15
25	Semitransparent Flexible Perovskite Solar Cells for Potential Greenhouse Applications. Solar Rrl, 2021, 5, 2100264.	5.8	15
26	High-Efficiency Perovskite Solar Cells with Imidazolium-Based Ionic Liquid for Surface Passivation and Charge Transport. Angewandte Chemie, 2021, 133, 4284-4290.	2.0	14
27	Balanced-Strength Additive for High-Efficiency Stable Perovskite Solar Cells. ACS Applied Energy Materials, 2022, 5, 8034-8041.	5.1	10
28	High-Performance Inverted Perovskite Solar Cells by Reducing Electron Capture Region for Electron Transport Layers. Solar Rrl, 2019, 3, 1900207.	5.8	6
29	The Final Step in the Application of Perovskite Solar Cells. Materials, 2022, 15, 2554.	2.9	2